

# FATIH OZER

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## EDUCATION

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**University of Pennsylvania, *Dual Degree*** - Philadelphia, PA Aug 2017 - Aug 2021

- **School of Engineering and Applied Science:** Bachelor of Science in Engineering: Computer Science
- **College of Arts and Sciences:** Bachelor of Arts: International Relations; Minors: Economics, History, Mathematics
- **Coursework:** Algorithms, Computer Organization & Design, Computer Security & Networks, Software Design
- **Research & Thesis:** Challenges in governing Cyber-Attacks between countries - an interdisciplinary study

## PROFESSIONAL EXPERIENCE

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**Earnin:** Software Engineer, Growth - Palo Alto, CA Sep 2021 - Present

- Brainstorm, produce a strategic marketing plan, design and implement the referrals infrastructure to support the user growth targets for the company improving user growth by 20%
- Provide, receive design and implementation evaluations and improve iterations for various Growth initiatives
- Refactored existing database schemas and models to allow for more centralized and accurate data collection
- Architect large scale design solutions to support legacy services and new services
- Comfortably work in Backend, Frontend and Mobile settings using C#, React and Kotlin

**University of Pennsylvania:** Lead Teaching Assistant Mathematics - Philadelphia, PA Aug 2018 - Aug 2021

- Taught Calculus and Linear Algebra recitations for 90 engineering students for 3 hours a week, virtually and in person
- Organized a team of 20 TAs and numerous workshops on the new curriculum and how to improve student engagement
- Pioneered transition of Calculus classes to follow an application-based approach to Mathematics
- Winner of the Good Teaching Award (Highest honor at the Department of Mathematics)

**Salahfalah:** Software Engineering Intern - United Kingdom (remote from Hong Kong) Jun 2020 - Aug 2020

- Developed mobile and web apps under Salahfalah's portfolio of apps using Javascript and React with Google Cloud
- Launched a web portal for integration of app with telecommunication company increasing user base by 3000%

**Prof. Ufuk Cebeci @ Istanbul Technical Uni.:** Consulting Intern - Istanbul, Turkey Jul 2019 - Aug 2019

- Consulted for innovative firms to develop products, streamline manufacturing and push products internationally
- Collaborated and filed patent and grant applications to TUBITAK (Turkey's Scientific and Technological Research Council) and the European Union Patent Office (EPO) on the world's fastest soap packaging machine

## PROJECTS & SKILLS

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**Programming languages:** *Java, C, C++, Python, JavaScript, Ruby, Verilog*

**Technologies:** *Git, MongoDB, React Native, Node.js, Google Cloud Platform, AWS, Docker, PostgreSQL, ReactJS*

**Group Capstone Project (*React Native, AWS, Heroku, Git, Node.js, Javascript, SQL*):** Musallah

- Designed and built a product for students in colleges to find spaces and events to meditate and practice religion
- Implemented security features including chat encryption and launched testing on Apple's TestFlight
- Finalist in Jerome Fisher Management & Technology program's Integration Lab for combining tech with social value

**Group Networking Project (*Python, Git*):** Music Streaming Service

- Constructed a custom protocol for music streaming between a client and a server
- Developed on server side supporting play, pause, stop, next song features with network optimizations for speed

**Native Android App (*Java, Node.js, MongoDB*):** Immediate Healthcare App

- Designed a healthcare app in a team to connect sick patients with doctors in villages and small towns
- Mobile app developed with Android Studio and Java using the Agile Software Development LifeCycle
- Created a REST API on Node.js to be used with MongoDB and basic Website using HTML5 and CSS

## LEADERSHIP AND EXTRACURRICULAR ACTIVITIES

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**Access Engineering at University of Pennsylvania:** Lead Instructor Jan 2018 - May 2021

**Penn Aerospace Club's Aircraft Electrical Team:** Team Lead Jan 2018 - May 2021